Amendments to the Specification:

Please replace the paragraph beginning at page 2, with the following rewritten paragraph:

Paragraph [0010] In accordance with an aspect of the present invention, the present invention provides an in-vitro blood plasma lipids filtering method, comprising the following steps: collecting the blood and separating out the blood plasma, carrying out saline solution treatment of the apparatus, carrying out blood plasma peristalsis, temperature and pressure control, passing the blood plasma through to ~~screening procedure~~ filtering device, collect post-filtered blood plasma back into the blood.

Please replace the paragraph beginning at page 3, with the following rewritten paragraph:

Paragraph [0013] Another objective of the present invention is to provide an in-vitro plasma lipids ~~screening procedure~~ filtering device technology, which is more direct and effective, and also provides a safe blood plasma lipids removal procedure.

Please replace the paragraph beginning at page 3, with the following rewritten paragraph:

Paragraph [0014] In accordance with an aspect of the present invention, the present invention provides an in-vitro blood plasma lipids ~~screening procedure~~ filtering device, comprising: a blood collecting device, a blood separating device, a pre-filtered blood plasma bag, a blood lipids ~~screening procedure~~ filtering device, a post-filtered blood plasma bag as well as the blood plasma feedback device. These devices are connected via pipelines and/or tubes, and the pipelines and tubes are also connected with a peristaltic pump. In addition, pressure and temperature control devices are installed among the pipelines and tubes. The in-vitro blood plasma lipids ~~screening procedure~~ filtering device also includes saline solution treatment bag and waste saline solution bag. The saline solution treatment bag is connected to an outlet of the pre-filtered blood plasma bag, and the waste saline solution bag is connected to an entrance of post-filtered blood plasma bag.

Please replace the paragraph beginning at page 3, with the following rewritten paragraph:

Paragraph [0017] The above-mentioned temperature control device is installed within the ~~screening procedure~~ filtering device, so that the highest heating temperature is controlled at 38°C.

Please replace the paragraph beginning at page 3, with the following rewritten paragraph:

Paragraph [0018] The above described blood plasma lipids ~~screening procedure~~ filtering device comprises three thin films or membrane, wherein a first film may be a membrane which has filter aperture pores of about 0.3 to 0.65 microns and comprises a lipid absorptive material; a second film is a type of membrane which has filter aperture pores of about 0.3 microns; and a third film is a membrane which has filter aperture pores of about 0.2 microns and is made of nylon as the base material. In between the second and third thin films, there contains one or multiple layers of the first thin film. The lipid absorptive material used is the silicon oxide pellets.

Please replace the paragraph beginning at page 4, with the following rewritten paragraph:

Paragraph [0022] The present invention will be further described in details in conjunction with the accompanying drawing. Referring to FIG.1, which is a schematic illustration showing an implementation example of the present invention~~, a blood separating device is first employed, which utilizes a centrifugal separation method to separate the blood plasma from a patients' blood collecting bag. Other~~ that a blood separating device is first employed to carry out centrifugal separation method and separates the blood plasma from the blood collecting device; other cellular components are feedback to the patients in a feedback loop. The separated blood plasma enters a pre-filtered blood plasma bag, and a saline solution bag for pre-treating the device and tubes is connected to the device at an outlet of the pre-filtered blood plasma bag.

Please replace the paragraph beginning at page 5, with the following rewritten paragraph:

Paragraph [0023] The pre-treatment saline solution or blood flows through the pipeline tubes to the peristaltic pump. The peristaltic pump provides power and pressure for the in-vitro loop device. An end terminal of the in-vitro loop device has an adjustable pressure control to adjust and control pressure, ensuring a safer and comfortable treatment process. Then the pipeline tube is connected to plasma lipids ~~screening procedure~~ filtering device, and the ~~screening procedure~~ filtering device filter membrane is evenly distributed with massive functional particles. Post-centrifugal mixed-particles blood plasma flows through the filter membrane so that TC, TG, LDL and so on, are firmly attracted and attached on the filter membrane. Thereby, the unclouded, thus purified blood plasma flows out ~~screening procedure~~ of the filtering device, and enters through the pipeline tube into post-filtered blood plasma bag. The post-filtered blood plasma bag entrance is connected with a pipeline tube to the waste saline solution bag. During saline solution treatment, the pipeline tube to post-filtered blood plasma bag connection is shut-off, so that post-filtered blood plasma is not mixed with the saline solution, and the treatment saline solution flows to the waste saline solution bag. During the blood filtering process, shutting-off the pipeline to waste saline solution bag will also ensure that the post-treatment blood plasma flows through to the post-filtered blood plasma bag. The blood plasma passes through a temperature control device to maintain a constant temperature of the blood plasma. The temperature-controlled blood plasma is then looped back to the body via a blood plasma feedback device.

Please replace the paragraph beginning at page 7, with the following rewritten paragraph:

Paragraph [0028] The blood plasma, after peristaltic pump process, enters the blood plasma lipids ~~screening procedure~~ filtering device. The blood plasma lipids ~~screening procedure~~ filtering device is composed of multi-layers of thin film membranes, of which a first film may be a membrane which has filter aperture pores of about 0.3 to 0.65 microns and comprises a lipid absorptive material. The first membrane may attract the fatty contents in the blood plasma, and the lipid absorptive material may be of the silicon oxide pellet. In addition, the first membrane filters out other impure particles that are bigger than the filter pores. A second film is a membrane which has

filter aperture pores of about 0.3 microns. The second membrane can filter out bacterium and chyle-lipoprotein, because bacterium and chyle-lipoprotein have diameters greater than 0.3 microns. A third film is a membrane which has filter aperture pores of about 0.2 microns and is made of nylon as the base material. The third membrane filters out any and all foreign particles generated from the first and second filtering processes, such matters like thin film wood-pulp material or adsorptive particles.

Please replace the paragraph beginning at page 7, with the following rewritten paragraph:

Paragraph [0030] The blood plasma, after filtering process, flows into the post-filtered blood plasma bag and further goes through the blood plasma feedback device and is fed back to the patients. A temperature control device located on the pipeline tube or the apparatus maintains that the blood plasma is at a temperature approximately close to the body temperature. The advantage is that patients are as close to natural condition as possible and thus are comfortable. This temperature control device may be a heating plate with the highest heating temperature controlled at about 38°C. The temperature control device may be placed any where in the pipeline tube or the device which is suitable for heating. The optimal location of the hot plate is suggested in the ~~screening procedure~~ filtering device.

Please also replace the original abstract of the present invention with the following abstract of disclosure:

An in-vitro blood plasma lipids filtering method includes the following steps: separating out the blood plasma from the blood collection; flushing the apparatus carrying out the method with saline solution; controlling the temperature and pressure of the blood plasma; passing the blood plasma to filtering device for filtering; and feeding the blood plasma back to the blood. The method is clearly effective and accurate, quick response indication, more secure and safer, more tolerant, and the treatment time is short.